AMENDMENT TO THE ABSTRACT

The following abstract will replace all prior versions of the abstract in the application:

For promoting tissue regeneration on wound surfaces (1) e.g. to intergrow with other wound surfaces o with an implant, or to heal into tissue surfaces, mechanical oscillation is coupled into the wound surfaces with the aid of a ~~. A~~ treatment instrument (2) or the implant being coupled to an oscillation drive, preferably an ultrasonic oscillation drive. ~~is brought into contact with the wound surface (1), or an implant is impinged with oscillation during and/or after being positioned in the tissue.~~ The action of the oscillation is a mechanical and thermal one and depending on the oscillation ~~acts mechanically and thermally on the tissue in the region of the treated wound surface (1), and according to the~~ intensity it is stimulating, traumatic, necrotic or cell-destroying. Using the implant for the treatment means that the treatment is effected during or after positioning the implant and therefore effects undesired cells having been brought to the wound surface with the implant. Treatment instruments (2) or implants applicable for the treatment are designed as oscillation bodies and at their distal end they comprise contact surfaces with energy directors.~~acts in a stimulating, traumatic, necrotic or cell-destroying manner. Therefore, biological elements inhibiting tissue regeneration are destroyed or denatured and the metabolism in the region of the wound surface is stimulated. The effect may also be a mechanical one, slightly compacting or regionally dislocating the tissue. Since the treatment can be effected during or after positioning an implant, necrosis in particular effects undesired cells, such as connective tissue cells, mucous cells and diseased cells having been brought to the wound surface with the~~

~~implant, which cells may inhibit the intergrowth between tissue and implant.~~